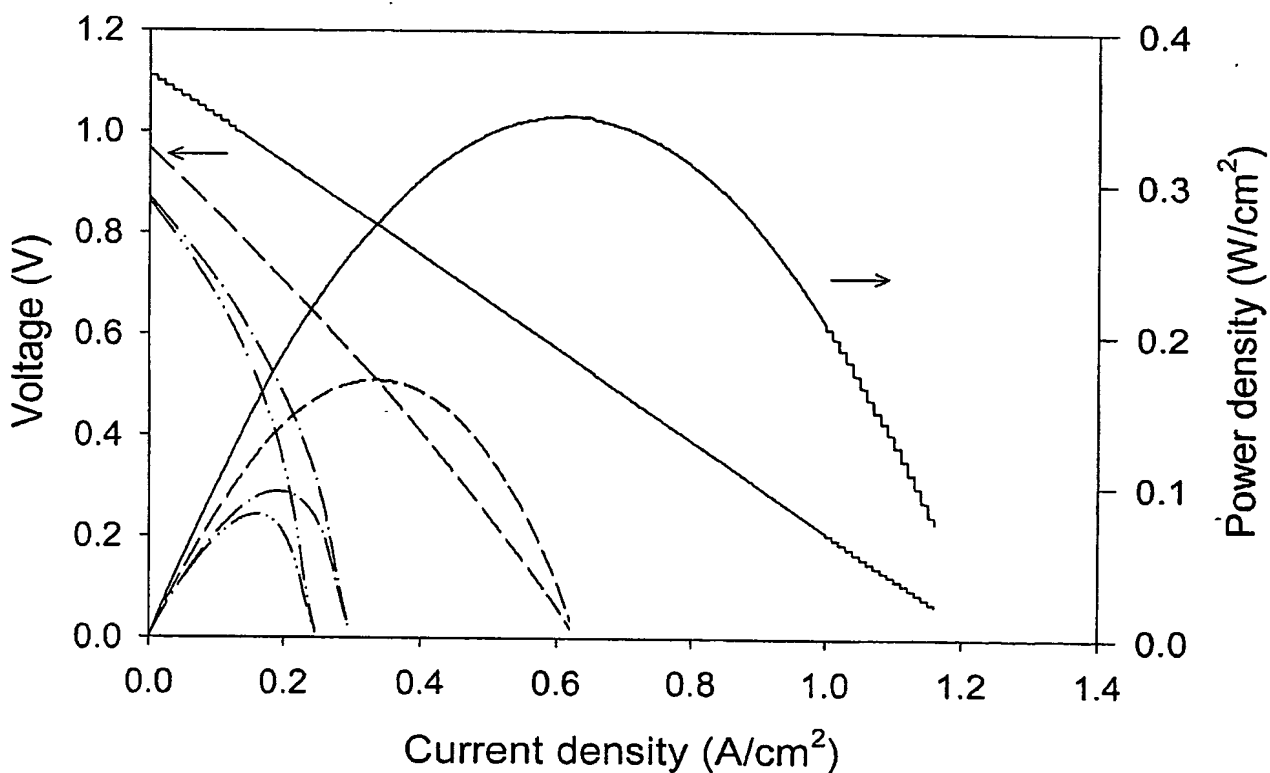


1/5



Power densities and current density-voltage relationships for an SOFC using the LSCM anode. The cell had a 0.2mm electrolyte, and data are shown for the following fuels, wet H₂ ; dash, wet 5% H₂ ;dash-dot wet CH₄ and dash-dot-dot CH₄, at 1173K.

Fig. 1

2/5

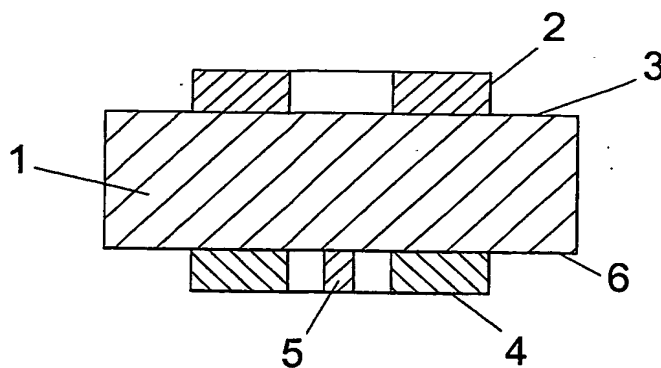


Fig. 2

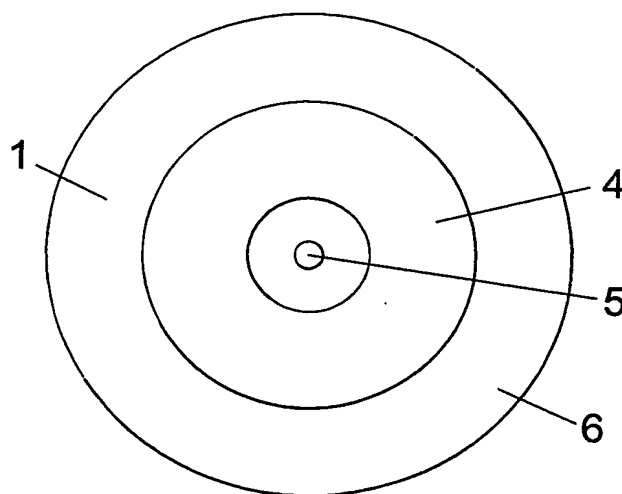
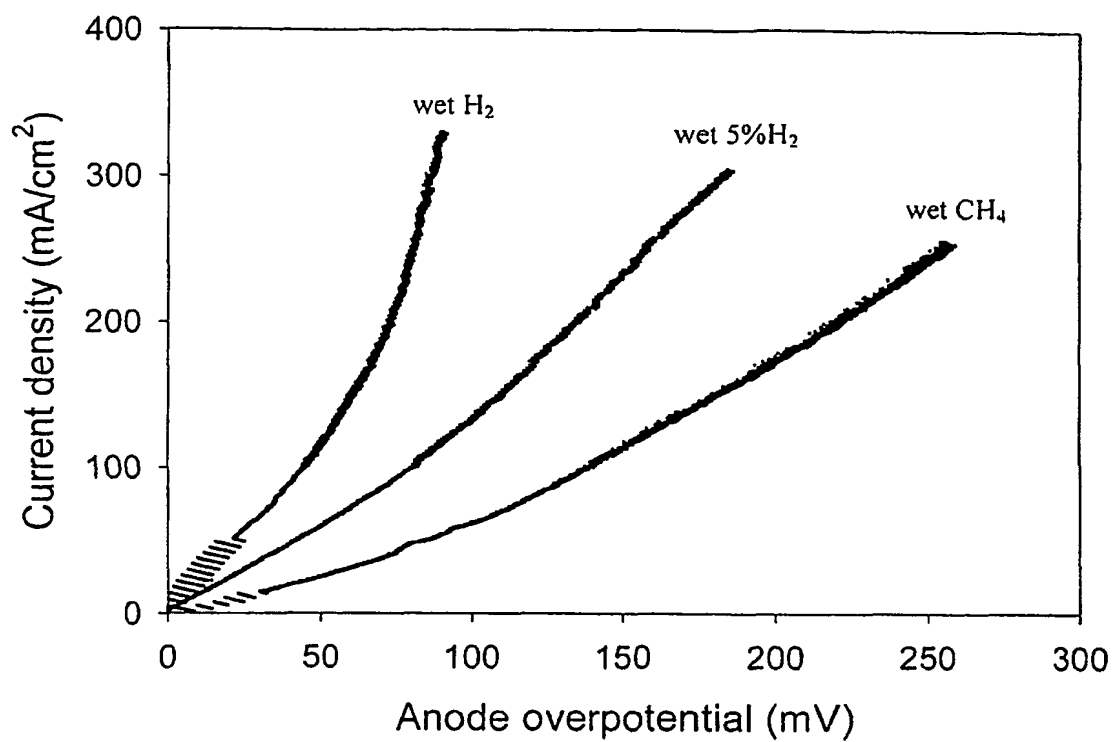


Fig. 2A

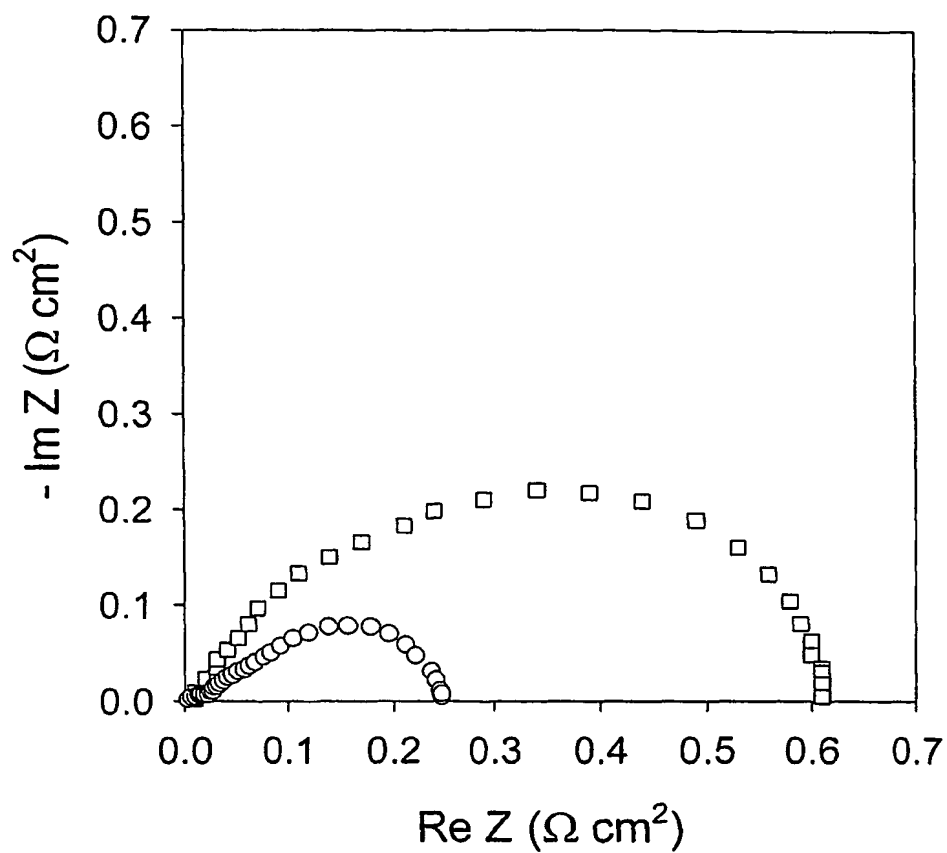
3/5



The anode overpotential at 925 °C with different fuels using only
 $\text{La}_{0.75}\text{Sr}_{0.25}\text{Cr}_{0.5}\text{Mn}_{0.5}\text{O}_3$ as anode

Fig. 3

4/5



Comparison of electrode impedance spectra for LSCM/CGO anodes. Spectra were measured at 925 °C in 4.9% H₂ + 2.3% H₂O + 92.8% Ar (Y) and 97% H₂ + 3% H₂O (O). Three electrode configuration with LSCM/CGO as working electrode and Pt as counter and reference electrodes.

Fig. 4

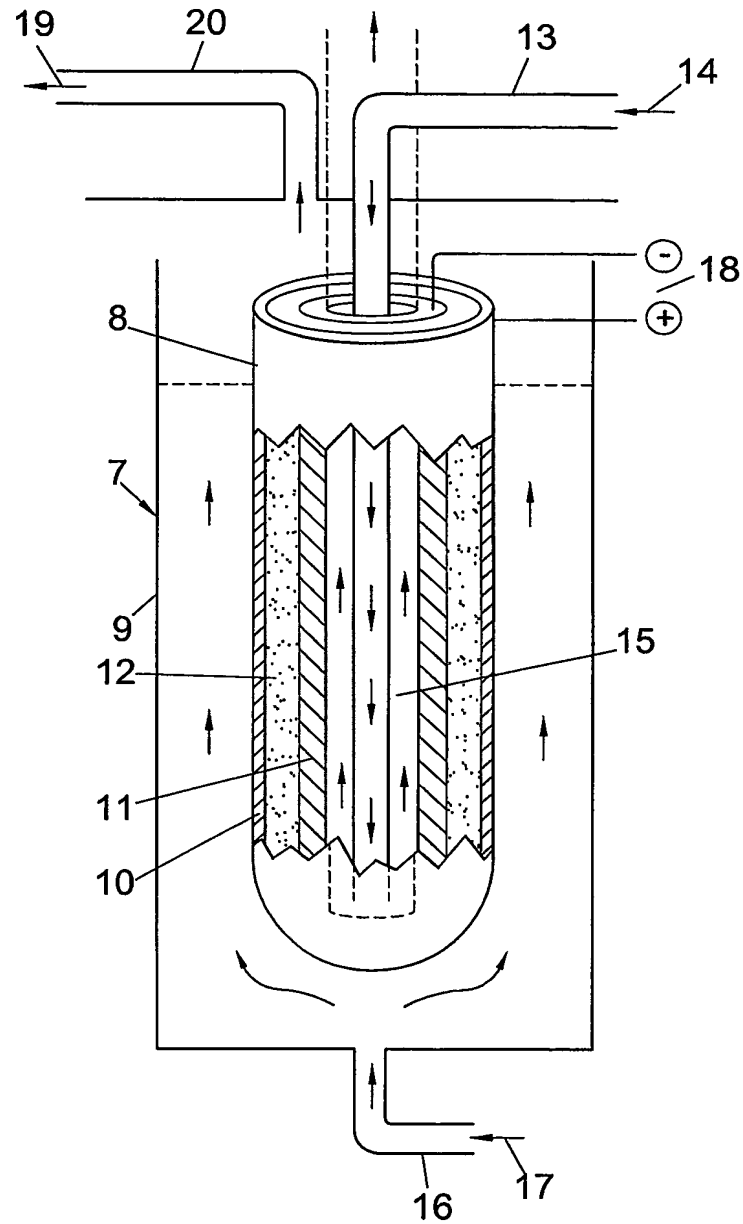


Fig. 5